

ABSTRACT

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A CDMA receiver for detecting paths of a direct incoming wave and a delayed incoming wave corresponding to the same channel from a receiving signal and combining the detected signals of a plurality of paths. A searcher unit operating in a first mode in a first search time range and in a second mode in a second search time range, which is narrower than the first search time range, and detecting the paths of the direct incoming wave and the delayed incoming wave in the first mode or in the second mode. A finger unit for inversely diffusing the signals of the paths detected with the searcher unit, combining a plurality of signals inversely diffused and detecting whether synchronization of the combined signal is set up or not. The searcher unit operates in the first mode at the start of channel signal reception and in the second mode after switching from the first mode while synchronization of the combined signal is detected.